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L2: Entry 12 of 18

File: USPT

Mar 31, 1998

DOCUMENT-IDENTIFIER: US 5734023 A

TITLE: MHC class II .beta. chain/peptide complexes useful in ameliorating deleterious immune responses

Brief Summary Text (13):

The present invention is directed to methods and compositions that can be used to identify and inhibit those aspects of the immune system which are responsible for undesirable immune responses. Compositions of the present invention are purified complexes comprising an effective portion of a single chain subunit of the MHC-encoded antigen-presenting glycoprotein and an antigenic peptide. These two components may be bound covalently or by noncovalent association. A third component, the effector component, can be included as well. The effector component can be a label, in which case the complexes are used, for instance, to diagnose autoimmune diseases. The effector component can also be a toxin, in which case the complexes are used to selectively eliminate the targeted T cell population.

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L2: Entry 2 of 18

File: USPT

Apr 9, 2002

DOCUMENT-IDENTIFIER: US 6368855 B1

TITLE: MHC class II antigen presenting cells containing oligonucleotides which inhibit Ii protein expression

Abstract Text (1):

Disclosed is a specific regulator of Ii protein expression or immunoregulatory function. Specifically disclosed are several forms of the specific regulator of Ii, including those which function through the formation of a duplex molecule with an RNA molecule encoding mammalian Ii protein to inhibit Ii protein synthesis at the translation level. This class includes copolymers comprised of nucleotide bases which hybridize specifically to the RNA molecule encoding mammalian Ii protein, and also expressible reverse gene constructs. In other aspects, the disclosure relates to MHC class II-positive antigen presenting cells containing a specific regulator of Ii expression. Such cells are useful, for example, in the display of autodeterminant peptides in association with MHC class II proteins. Compositions of the invention find application in methods for treating diseases, for example malignancies and autoimmune disorders, in a patient by enhancing immunological attack on undesired cells. An additional application is the isolation of autodeterminant peptides from a cell.